

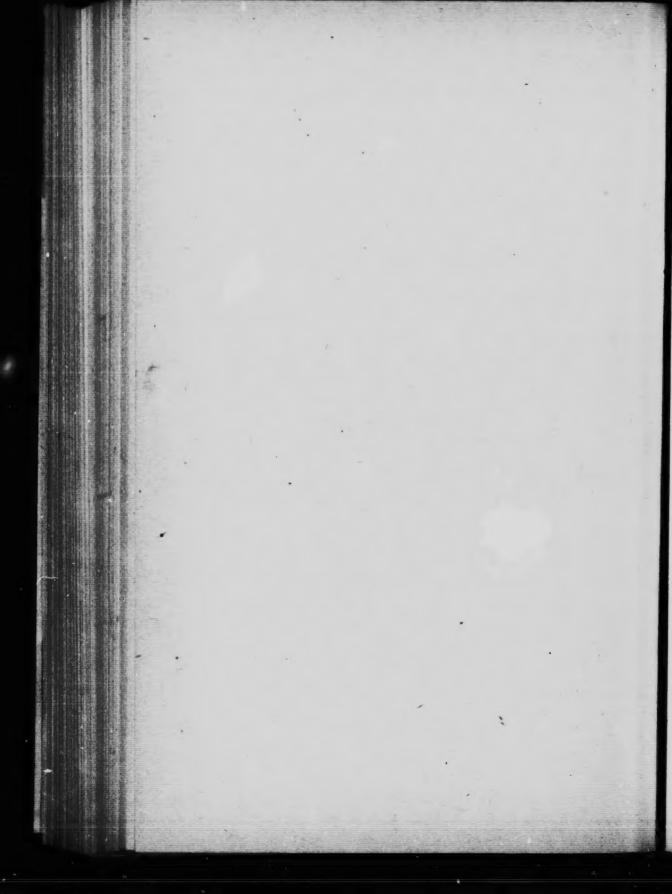
LABORATORY

OF THE

INLAND REVENUE DEPARTMENT OTTAWA, CANADA

BULLETIN No. 345

EVAPORATED MILK



NOTES AND COMMENTS.

Under this heading, as occasion arises, the Bulletins issued by this Department will contain, as an appendix, such comment as may seem necessary or advisable upon matters relating to the work of the Department in connection with the administration of the Adulteration Act, the Fertilizers Act, the Feeding Stuffs Act or the Proprietary Medicines Act.

It frequently happens that correspondents ask information regarding the above Acts, of such a nature-that the matter in question possesses general interest, and comment upon it would prove acceptable and useful to others than the immediate questioner. In such cases the reply may find a place in these columns. For convenience of reference these notes will be numbered in series.

A. McGILL, Chief Analyst.

LABORATORY

OF THE

INLAND REVENUE DEPARTMENT OTTAWA, CANADA

BULLETIN No. 345

EVAPORATED MILK

Оттаwa, July 6, 1916.

J. U. VINCENT, Esq.,
Deputy Minister of Inland Revenue.

Sir,—I beg to report certain work done upon a limited collection of samples (73 in number) of evaporated milk. These have been examined with the view of ascertaining whether any ground in fact existed for certain complaints to the effect that the metals of the container (tin and lead) were taken into solution by the contents when these developed an acid reaction.

Acidity has been determined in 17 samples, and is found to vary from 26.8 to as high as 46.4, when stated as cubic centimetres decinormal per 100 grammes of the sample. The full meaning of this as tending to render soluble the metal of the containing vessel has yet to be worked out.

In another series of samples tests were made for tin and lead. Practically no determinable quantities of lead were found in solution. Tin was found in 44 samples, the amount varying from a mere trace to as much as 62 milligrammes per 100 cubic centimetres; or 620 parts per million (about 4 grains per pound or 0.062 per cent).

Regarding the effect of this upon health, I may quote Thresh and Porter (Preservatives, etc.; Churchill, London, 1906, page 204). "At the present time no one seriously contends that the amount of tin in solution in these (acid) foods has any effect upon the system. As a rule the quantity is very small, rarely amounting to one grain per pound of food substance. Autenrieth. (Laboratory manual, etc., trans Dr. Warren, pub. Blakistons, Sons., Phila., 1915), page 174, says: "Hence tin vessels may be used, and preserved articles of food containing tin, have practically no deleterious action upon health." Kunkel. (Handbuch der Toxikologie, s. 216) says: "This is a very slightly poisonous metal. This is established beyond doubt." The extent, however, of its possibly poisonous action, he considers worth further investigation. Parry (Food and Drugs, Scott, Greenwood & Son, London), page 373, says: "There is no evidence of a cumulative action of tin, until the daily dose exceeds 2 grains. Dr. Buchanan states that the presence of tin in a sample, in quantities approaching 2 grains to the pound may be taken to signify that the food has become potentially

deleterious to health." I have noted as excessive an amount of tin exceeding 2 grains per pound, or 0.03 per cent. This occurs in 9 samples out of 44 samples in which quantitative determination of tin was made.

I propose to carry this examination for tin and lead further, at an early date, and to attempt to correlate the acidity of the sample with the amount of metallic

contamination.

As judged by the ordinary standards for evaporated milk, 46 samples in which the required determinations have been made give results showing them to be essentially up to standard requirements. Two samples were curdled, owing to incomplete sterilization. In six samples the non-fat solids are somewhat low. These are probably made from a rich milk which has been watered. The content in fat meets our standard for evaporated milk; viz. 7.2 per cent.

It may be noted that our standards requiring 7.2 per cent fat and 18.8 per cent non-fat solids were made legal in November 1910; and were at that time, identical

with those obtaining in the United States.

In November 1914, an Amendment of the U.S.A. Department of Agriculture changed the standards so as to require 7.8 per cent fat and 17.7 per cent non-fat solids. This change was considered advisable because it was held that, in certain of the Western States, milk solids were normally lower than in the Eastern and Middle States; and that the deficiency obtained in the non-fat solids. So far as Canada is concerned the matter has not been fully investigated; but it may be that owing to differences in the feed and pasture, the same difference holds good. It seems only just to allow, in the meantime, for a possibility which has been established south of the boundary line.

I beg to recommend publication of this report as Bulletin No. 345.

I have the honour to be, Sir. Your obedient servant,

> A. McGILL. Chief Analyst.

ction.				Co	ut,	Name and of Manufactures as given by ti	or Furnisher
Date of Colle	Nature of Sample.	No. of Sample	Name and Address of Vendor.	Quantity.	Cents.	Manufacturer	Furnisher,

DISTRICT OF NOVA SCOTIA-

191	5.											
Oct.	20	Evaporates	d Milk.	64251	Wentzelle, L	td., 1	Halifax	. 3	tina.	25	Malcolm & Sons, St. George, Ont.	Mfre
**	20	*	**	64252			18	3	**	15	Borden Milk Co., Montreal.	
11	26	"	"		Bauld Bros.,	Ltd	y 11	3	**	13	11 11	H ******
н	26	**	"	64254	**	**	#	3	*	25	Aylmer Milk Co., Hamilton, Ont.	#

DISTRICT OF NEW BRUNSWICK-

Oct.	5	Evapora	ted Milk.	66186	2 Barkers, Ltd., St.	John.	3	tins.	30	Borden Milk Montreal.	Co.	
•	5	**	"	66187	W. A. Simonds,	**	3	*	30	Aylmer Cond Milk Co., E		
**	5	911	"	66188		18	3	"	30	Borden Milk Montreal.	Co.,	
**	5	47	"	66189	H. W. Cole, Ltd.,	11	3	"	30	n n	10	****
19	7	*	***	66190	Baird & Peters,	- 11	3		35	**	14	
**	19	н	**	66191	E. G. Hoben, Frede	ricton	3		45	11	11 d	
11	20	**	8 2	64.92	B. H. Smith & Son, stock, N.B.	Wood-	3		36		St.	
**	20	**	*	66198	J. S. Dunlop, Mone	ton	3	"	36	George, On Borden Milk Montreal.	Co.,	

DISTRICT OF QUEBEC CITY-

Oct.	18	Lait	Evaporé.		56565	E. Turcotte, 27 Rue Grant Quebec.	. 3	boita	45	Unknown J. B. Rena
**	4	- 11	19			A. Drolet, 714 St. Valier, Quebec.			25	" Turcotte F
**	8	- 11-	**	• •	56567	A. Grenier, 94 St. Jean, Quebec.	3	#	45	Aylmer, Ont Mfr
87	13	11	17	٠.	56568	O. Lacroix, 19 St. Joseph, Quebec.	3	11	36	J. Malcolm & Son, St. George, Ont.
Н.,	15	.11	**		56569	Cantin Frere, 271 St. Joseph, Quebec.	3	**	15	Unknown Turcotte Fr
10	18	**	**		56571	G. Paquet, 154 Du Pont, Quebec.	3	"	30	Borden Milk Co., Mfrs
**	18	11	89		56572	11 11	3	**	38	Aylmer, Ont

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tte Frere

		Rosults o	of Analys	is.		
Inspector's Report, (is not an expression of opinion.)	Total Solids.	i i	Non-fat Solide	Acidity CC. N/10 Na OH per 100 grams	No. of Sample.	Remarks, and Opinion of the Chief Analyst.

R. J. WAUGH, INSPECTOR.

St. George's Brand	p. c. 26 · 60 26 · 88	p. c. 7:76 7:75	p. c. 18:24 19:11	38 1	64252	Genuine.	
Peerless »	26:92	7.72	19-20	38.8			
anada First "	26.15	7 83	18:29	42.0	64254	14	

JOHN C. FERGUSON, INSPECTOR.

	26.25	7:52	19:00	28.8	66186	Genuine.	
*******************	26.63	7.93	18.70	31.2	66187	11	
	26.72	7:54	19:18	28:8	66188	11	
**** *** *** *** ******	26.00	7:19	18-81	35.2	66189	n n	
Cerless Brand	25 23	3:97	18:26	30.4	66190	11	
****	26-81	7'52	19-29	42:4	66191	11	
	26'64	7:25	19-39	46:4	66192		
****	%G-62	7.76	18.86	42.0	G6193	ıi .	

F. X. W. E. BELAND, INSPECTOR.

	26.60	7:76	18:84	40.3	56565	Genuine.
******************	26.30	7.81	18.49	41.8	56566	ıı
	Sample	curdled	in tin.		56567	Sample curdled.
	24:26	7:16	17.10	40.3	56568	Genuine.
***** ****** **** ****	Sample	curdled	in tin.		56569	Sample curdled.
	24.62	6.87	17:75	35.7		Genuine.
***************************************	26 12	7.62	18.20	87.2	56572	

	tion.	Nature			C	ost.	Name and A of Manufacturer o as given by the	r Furnisher
	Date of Collection.	of Sample.	No. of Sample	Name and Address of Vendor.	Quantity.	Centre	Manufacturer.	Furnisher.
_							DISTRICT OF MC	NTREAL-
19	15.						-	
Nov	. !	Evaporated Milk	67481	Hudon, Hebert & Co., Montreal.	3 tins	. 20	y	endor
11				L. Chaput, Fils & Co., Montreal.	3 н	22	5	H
11	23	17 11	67488	Borden Milk Co., Ltd., Montreal.	3 ,,	30		
19	23		67484		3 ,, :	30		n *
**	23	" "	67485	11	3 11	30		
_							DISTRICT OF	OTTAWA-
Sept	. 30	Evaporated	70536	A. P. Johnson, Bronson	cans.	45	Borden Milk Co	
Oct.	1	Milk.		Ave., Ottawa. The Sanders, Soule & Casselman Co., Chester-		30	Montreal. The Sweet Milk	
**	9	Evaporated	70538	ville. John McGillivray, Smith's 3		38	Condensed Co., Chesterville. Aylmer Cond. Co.,	
**	12	Cream. Evaporated		Falls. E. M. Lerner & Sons, 3		28	Aylmer, Ont. Borden Milk Co	
.11	12	Milk.		Ottawa. S. J. Major, Ltd., Ottawa. 3		25	Montreal. Aylmer Condensed	• • • • • • • • • • • • • • • • • • • •
							Milk Co., Ham-	
***	14	Table C		J. H. Shouldice, Ottawa 8 East.		38	Dom. Canners.	
**		Table Cream		A. S. Moreland, 4th Ave., 3 Ottawa.		75	Ltd., Hamilton. Fussell & Co., Ltd., London, Eng.	
11		Evaporated Milk.	70044	Cherry & Craig, 1184 Wel-3 lington St., Ottawa. M. J. Laverdure, Hull 3	19	30	J. Malcolm & Sons, St. George, Ont.	***********
**	. 10	Homegenized Milk.	70600	M. J. Laverdure, Hull 3	79	30	Laurentia Milk	
						-	DISTRICT OF KIN	NGSTON-
Oct.	28	Evaporated Milk.	70281	V. Cowling, Napanee 3	tins.	15		
14							DISTRICT OF TO	RONTO-
Oct.	25	Evaporated	69926	F. F. Hill Co., 946 Bloor 3	3477	36	Borden Milk Co	
11	12	Milk.		St. W., Toronto. James McDermott, Stay 3		30	Ltd., Montreal.	
19	14	и и		ner. Vair Grocery Co., Barrie.		38	Aylmer Condensed Milk Co., Ham-	
**	20	17	69972	W. M. Thompson, Pene-3	"	15	ilton. Pacific Coast Condensed Milk	**********
	20	** 11	69973	The Playfair, Preston Co., 3 Ltd., Midland.	н	30	Co., Seattle, Malcolm Condensed Milk Co., St. George.	

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Inspector's D	1	Results o	f Analysi	K.		
Inspector's Report. (Is not an expression of opinion.)	Total Solids,	Fat.	Non-Fat Solids.	Metallic Tin.	No. of Sample.	Remarks and Opinion of t Chief Analyst.
D. J. KEARNEY, INSI	PECTOR.				1 = 1	
Pagelos.	р. с.	р. с.	р. с.	p. c. 0:007 0:908 0:005	67481 67482 67483	
Jersey				0.001	67484 67485	
J. A. RICKEY, INSPEC	TOR.			,		
St. Charles			******	0.003	70536 70537 Di	ssolved tin excessive
Canada Fire		•••••		0.010	70538 70539	
Quaker's				0.003	70542	
uaranteed pure. Absolutely germless.				0.004 7	0544	
AMES HOGAN, INSPEC	ror.					
t. Charles.			0	010 70	0281	
. J. DAGER, INSPECTO	R.				-	
Charles			0.		926 970	
rnation			0.0	010 690		
				08 698	73	

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tion.		Nature	ei ei	No.	Con	st.	Name and Ad of Manufacturer or as given by the	dress Furnisher Vendor.
Date of Collection.		of Sample.	No. cf Sample	Name and Address of Vendor.	Quantity.	Centa.	Manufacturer.	Furnisher.
							DISTRICT OF HA	MILTON
191	5.						- 1	
Sept.	30	Evaporated Milk.	58416 58417	A. R. McLachlin, 72 King St. W., Hamilton.	3 tins.	15 15		
Oct.	4	10		H. J. Wells. 54 King St., St. Catharines.		30		
						<u>'</u>	DISTRICT OF V	VINDSOR
Oct.	12	Evaporated	54683	Orenderf Bros., Ridge-	3 tins.	15	Aylmer Condensed	
**	12	Milk.	54685	town. Clark & Sons, Ridgetown,	3 "	30	Milk Co., Hamilton. Borden Milk Co., Montreal.	
							DISTRICT OF MA	NITOBA
Oct.	- 1	Evaporated Milk.		Transcona Mercantile Co., Trauscona.		30	Borden Milk Co.,	NITOBA
Oet.	27	Evaporated Milk.	61440	Trauscona. H. Mann, Transcona	3 ,,	30	Borden Milk Co., Montreal. J. Malcolm & Sons,	NITOBA
"	27 29	Milk.	61440 61441	Trauscona. H. Mann, Transcona Hudson's Bay Co., Winni-	3 "	30 30	Borden Milk Co., Montreal. J. Malcolm & Sons, St. George. B. C. Milk Co., British Columbia	NITOBA
**	27	Milk.	61440 61441	Trauscona. H. Mann, Transcona	3 "	30	Borden Milk Co., Montreal. J. Malcolm & Sons, St. George. B. C. Milk Co., British Columbia Aylmer Condensed Milk Co., Ham-	ANITOBA
"	27 29	Milk.	61440 61441 61442 61443	Trauscona. H. Mann, Transcona Hudson's Eay Co., Winnipeg. A. Hendry, 392 Portage Ave., Winnipeg. The T. Eaton Co., Win-	3 " 3 " 3 "	30 30	Borden Milk Co., Montreal. J. Malcolm & Sons, St. George. B. C. Milk Co., British Columbia Aylmer Condensed Milk Co., Hamilton. Crescent Creamery	ANITOBA
"	27 29 29	Milk.	61440 61441 61442 61443	Trauscona. H. Mann, Transcona Hudson's Bay Co., Winnipeg. A. Hendry, 392 Portage Ave., Winnipeg.	3 " 3 " 3 "	30 30 30	Borden Milk Co., Montreal. J. Malcolm & Sons, St. George. B. C. Milk Co., British Columbia Aylmer Condensed Milk Co., Hamilton.	ANITOBA
" "	27 29 29 30	Milk.	61440 61441 61442 61443	Trauscona. H. Mann, Transcona Hudson's Eay Co., Winnipeg. A. Hendry, 392 Portage Ave., Winnipeg. The T. Eaton Co., Winnipeg. D. Christie, 1459 Main	3 " 3 " 3 "	30 30 30 25	Borden Milk Co., Montreal. J. Malcolm & Sons, St. George. B. C. Milk Co., British Columbia Aylmer Condensed Milk Co., Hamilton. Crescent Creamery Co., Winnipeg. Co., Co.C. Company,	
" " " Vov.	27 29 29 30 1	Milk.	61440 61441 61442 61443 61444	Trauscona. H. Mann, Transcona Hudson's Eay Co., Winnipeg. A. Hendry, 392 Portage Ave., Winnipeg. The T. Eaton Co., Winnipeg. D. Christie, 1459 Main St., Winnipeg.	3 " 3 " 3 "	30 30 30 25	Borden Milk Co., Montreal. J. Malcolm & Sons, St. George. B. C. Milk Co., British Columbia Aylmer Condensed Milk Co., Hamilton. Crescent Creamery Co., Winnipeg. C.C.C. Company. Winnipeg.	
" " " Vov.	27 29 29 30 1	Milk.	61440 61441 61442 61443 61444	Trauscona. H. Mann, Transcona Hudson's Eay Co., Winnipeg. A. Hendry, 392 Portage Ave., Winnipeg. The T. Eaton Co., Winnipeg. D. Christie, 1459 Main St., Winnipeg.	3 " 3 " 3 " 3 " 3 "	30 30 30 25 25	Borden Milk Co., Montreal. J. Malcolm & Sons, St. George. B. C. Milk Co., British Columbia Aylmer Condensed Milk Co., Hamilton. Crescent Creamery Co., Winnipeg. C.C.C. Company. Winnipeg. DISTRICT OF A Borden Milk Co., Montreal. B. C. Milk Cond. Co., New West	
" " " Vov.	27 29 29 30 1	Milk. " " Evaporated Milk.	61440 61441 61442 61443 61444 52296 52297	Trauscona. H. Mann, Transcona Hudson's Eay Co., Winnipeg. A. Hendry, 392 Portage Ave., Winnipeg. The T. Eaton Co., Winnipeg. D. Christie, 1459 Main St., Winnipeg. Spencer Todd, Ltd., Medicine Hat. Sprague & Williamson,	3 " 3 " 3 " 3 " 3 tins.	30 30 30 25 25 25	Borden Milk Co., Montreal. J. Malcolm & Sons, St. George. B. C. Milk Co., British Columbia Aylmer Condensed Milk Co., Hamilton. Crescent Creamery Co., Winnipeg. C.C.C. Company, Winnipeg. DISTRICT OF A Borden Milk Co., Montreal. B. C. Milk Cond. Co., New Westminster, B.C. Aylmer Cond.	
" " Nov.	27 29 29 30 1	Milk.	61440 61441 61442 61443 61444 52296 52297 52298	Trauscona. H. Mann, Transcona Hudson's Eay Co., Winnipeg. A. Hendry, 392 Portage Ave., Winnipeg. The T. Eaton Co., Winnipeg. D. Christie, 1459 Main St., Winnipeg. Spencer Todd, Ltd., Medicine Hat. Sprague & Williamson, Medicine Hat. The Good Company, Leth-	3 " 3 " 3 " 3 tins. 3 "	30 30 30 25 25 25 30 30	Borden Milk Co., Montreal. J. Malcolm & Sons, St. George. B. C. Milk Co., British Columbia Aylmer Condensed Milk Co., Hamilton. Crescent Creamery Co., Winnipeg. C.C.C. Company, Winnipeg. DISTRICT OF A Borden Milk Co., Montreal. B. C. Milk Cond. Co., New Westminster, B.C.	

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Instantant P		Results	of Analy	yais.			
Inspector's Report. (Is not an expression of opinion.)	Total Solids.	Fat.	Non-Fat Solida.	Metallic Tin.	No. of Sample.	Rema	rks and Opinion of t Chief Analyst.
J. J. COSTIGAN, ACTI	NG IN	SPECTO			1 -		
O	p. c.	p. c.	p. c.	р. с.	T	T	
Canada First				0.000	584	6	
Peerless	******			0.008	5841	7	
St. Charles				0.004	16841	8	
JOHN TALBOT, INSPE	CTOR.		•	-	1	1	
Janada First				. 0.006	5468	s l	
t. Charles	******	•••••		. Small	5468	5	
	******	•		trace		5	
B. COSGROVE, TEM			1	trace	-		1-2
	PORAR 26.48	7·80	PECTOR 18.68	trace	61439	Genuine.	
B. COSGROVE, TEM	26.48	7:80	18·68 16·74	trace	61430	Genuine.	
B. COSGROVE, TEM	26·48 24·64	7·80 7·90	18.68	trace	61430 61440 61441	Genuine.	ds low.
B. COSGROVE, TEM	26·48 24·64 23·32	7·80 7·90 7·28	18·68 16·74 16 04	trace	61430 61440 61442	Genuine. Non-fat sol	
B. COSGROVE, TEM	26·48 24·64 23·32 27·00	7·80 7·90 7·28 7·68	18·68 16·74 16 04 19·32	trace	61436 61440 61442 61443	Genuine.	
B. COSGROVE, TEM	26·48 24·64 23·32 27·00 23·60 24·60	7·80 7·90 7·28 7·68 7·20 7·80	18.68 16.74 16.04 19.32 16.40	trace	61436 61440 61442 61443	Genuine. Non-fat soli Genuine. Non-fat eoli	
W. R. MARKLEY, IN	26·48 24·64 23·32 27·00 23·60 24·60	7·80 7·90 7·28 7·68 7·20 7·80	18.68 16.74 16.04 19.32 16.40	trace	61436 61446 61441 61442 61443	Genuine. Non-fat soli Genuine. Non-fat coli Genuine.	
W. R. MARKLEY, IN	26·48 24·64 23·32 27·00 23·60 24·60	7·80 7·90 7·28 7·68 7·20 7·80	18·68 16·74 16·04 19·32 16·40 16·80	trace	61436 61446 61441 61442 61443	Genuine. Non-fat soli Genuine. Non-fat eoli	
W. R. MARKLEY, IN	26·48 24·64 23·32 27·00 23·60 24·60 SPECTO 25·64	7·80 7·90 7·28 7·68 7·80 OR.	18·68 16·74 16·04 19·32 16·40 16·80	0.007	61430 61440 61442 61443 61444	Genuine. Non-fat soli Genuine. Non-fat coli Genuine.	
W. R. MARKLEY, IN	26 · 48 24 · 64 23 · 32 27 · 00 23 · 60 24 · 60 SPECTO 25 · 64 24 · 28	7·80 7·90 7·28 7·68 7·80 OR.	18·68 16·74 16·04 19·32 16·40 16·80	0.007 0.003	61436 61446 61442 61443 61444 52296 52297	Genuine. Non-fat soli Genuine. Non-fatteoli Genuine.	

BULLETIN No. 345-

_					,				Bellellin No. 340		
ction.							C	»t.	Name and Address of Manufacturer or Furnisher as given by the Vendor.		
	Date of Collection.	Nature of Sample.		No. of Sample	Name and Address of Vendor.		Quantity.	Cents.	Manufacturer. Furnisher.		
							Dis'	rri	CT OF ROCKY MOUNTAINS		
19	15.					1	_	I			
Oct.	18	Evaporat	ed Milk	61889	M. Penney, Prince Georg	e 3	tins	40	Borden Milk Co.		
9	18	1		61890		3		30	Montreal, B.C. Milk Cond. Co., New West-		
Nov	. 16	11	"	61899	Merritt Mercantile Co. Merritt.	, 3	**	30	Milk Co., Cour-		
11	16	88	31	61900	11 29	3	11	40	tenay. Aylmer Cond. Milk Co., Hamilton.		
		-							DISTRICT OF VANCOUVER-		
Oct.	27	Evaporate	d Milk	55360	T. W Turner, 890 Pender St. W., Vancouver.	13	tins.	30	Milk Co., Cour-		
11	27	11	-91	55361	17 19	3	16	30	tenay. Aylmer Cond. Milk		
	27	**	- "	55362	* "	3	11	15	Co, Hamilton. Pacific Coast Cond. Milk Co., Seattle,		
11	27	**	"	55363	н п	3	31	15	Wash. Borden Milk Co.,		
**	28	19	-1	55364	Woodward Deptl. Stores, Vancouver.	3	**	25	Montreal. Courtenay Cond. Milk Co., Courtenay, B.C. Borden Milk Co.,		
**	28	11	**	50365	11 11	3	17	30	Borden Milk Co.,		
81	28	31	"	55366	S. W. Wallace, 44 Hastings St. W., Vancouver.	3	**	15	Dominion Canners		
Nov.	2		"	55367	W. H. Edgett, 48 Hastings St. W., Vancouver.	3	"	30	Ltd., Hamilton. B. C. Cond. Co., Ltd., Chilliwack		
								_	DISTRICT OF VICTORIA-		
Vov.	10	Evaporated	Milk	66617	Windsor Grocery Co., 817	3 1	tins.	45	P.C. Cond. Milk		
11	10	16	**	66618	Govt. St., Victoria.	3	"	30	Co., Seattle, Borden Milk Co.,		
11	10	**		66620	The West End Grocery Co., 1002 Govt, St., Vic- toria.	3	"	30	Montreal.		
0	11	н	"	66623	Dixi H. Ross & Co., 1317 Govt. St., Victoria.	3	"	30	Courtenay Cond		
14	12	н	1		Acton Bros., 1317 Douglas St., Victoria.		11	30	Courtenay Cond. Milk Co., Courtenay, B.C. B.C. Cond. Milk Co., New West-		
11	12	**	"	66635	H. O. Kirkham & Co., 1109 Govt. St., Victoria	3	"	25	minster. Aylmer Cond. Milk Co., Hamilton.		

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Canada First 21 98

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17:38

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former to be		Result	s of Anal	ysis.				
Inspector's Regret, (Is not an expression of opinion.)	Total Solids.	Fat	Non-fat	Metallic Tin.	No. of Sample.	Remarks	and Opinion of the hief Analyst.	
THOS. PARKER, INS.	PECTOR	2.		,				
19	p. c.	p. c.	p. c.	1	1	1	•	
St. Charles	. 24 72	7.4	2 17 3	1				
B. C	23.64		-	0 021 01		889 Genuine; but dissolved tin no worthy. 890 Genuine.		
Buttereup	. 21.90	8.10	16.8	0.00	8 6189	9		
Canada First	25:74	7:46	18:28	0.027	6190	Genuine; bu	t dissolved tin	
anada First	26·50 25 04	7·30 7·74	19:20	0.051	35361	source tow.	excessive; non-f	
Carnation.					35361	Genuine ; but cessive.	dissolved tin e	
it. Charles	25.18	7.70						
ride of Vancouver		7.76	18:42		55363	н		
pared specially for Vendors.	24 32	7.48	16.84	9:023	55361	Dissolved tin wise meets sta	noteworthy; other	
uaker	25.08	7:52	17:56	0.039	55365	Dissolved tin e	xcessive; otherwise	
. C	24 60	7:20	17:30	0.062	55366	genuine.	11	
	23 44	7:36	15.08	0.002	55367	Non-fat solids le	ow.	
O'SULLIVAN, INSPE	CTOR.				1			
rnation	24:70	7:62	17:08	0.054	- OH	analyad tin		
	24.74	7:64	17:10	0.032	66618	Benume,	cessive; otherwise	
	24 98	7:58	17:40	0.037	66620	87 	n n	
ttercup	20 14	7.22	12.92	0.014	66628 N	on-fat solids lov	v,	